Chemical Stain

Important Testing Instructions

Read all cautions and Material Safety Data Sheets before any work is started. Always do a small test area or sample board with the final sealer applied before project installation and have it approved. The colouring effect can vary depending on the age, texture, finishing techniques, amount of coats applied, amount of acetone or water used and other variables within the concrete surface. When mixing colors, keep a record of the ratios mixed for future use and colour matching. When applying two coats of the same color, it usually works best to add twice as much acetone or water as recommended on the bottle to prevent the color from being too dark or too red.

Surface Preparation

Step 1

Curing compounds, sealers and other membrane forming products applied to the concrete surface prior to dying will affect the ability of the dye to properly react with the concrete. Some concrete surfaces may be too hard or porous to achieve the desired result and may need acid etching or resurfacing with Concreation Overlay Stamp Mix or Concreation Spray Top. Concrete surfaces must be clean and free of all foreign contaminants such as curing compounds, bond breakers, oil, sealer, dirt, paint, and cleaning residue. Pressure washing and additional cleaning methods may be required to totally clean the concrete surface of all contaminants.

Step 2

The surface should be scrubbed with Concreation 750 Cleaner and rinsed clean prior to applying Concreation Acid Stain. Regular concrete must be cured a minimum of 28 days. Concreation Overlay Stamp Mix or Concreation Spray Top should cure for a minimum of 6 hours before applying Concreation Concrete Dye.

Application

Step 1

For professional use only by experienced contractors.

Step 2

Protect all surrounding areas before applying Concreation Concrete Dye. Rope off areas to be dyed and keep all traffic clear of the area until the installation is complete.

Step 3

Acetone vapors are extremely flammable. Turn off all pilot lights prior to use and do not use near an open flame. Avoid breathing vapors. Use only in areas with adequate ventilation and use proper MSHA or NIOSH approved air purifying respirators in confined or enclosed spaces for organic vapors. Do not use near electric tools or create any sparks or static electricity around work area to avoid a flash fire. Do not smoke. Keep out of reach of children.

Step 4

When going over regular or polymer concrete, do a small test area to determine how much acetone or water to mix to achieve the desired concentration of color. More acetone or water will achieve a lighter color and less acetone or water a darker color. When applying two coats of the same color, Concreation Concrete Dye should be mixed as directed and mixed again 1 to 1 with acetone or water.

Step 5

Always do a small test area in an inconspicuous area before project installation to insure approval and compatibility of all products and desired color. Read all labels and technical data sheets before using Concreation Concrete Dye. Always check local codes for all Federal and State Regulations, along with the appropriate safety standards.

Step 6

Depending on the colour desired, an application of two or more coats of Concreation Concrete Dye may be required.

Step 7

Apply Concreation Concrete Dye using an acetone or water resistant Chapin ® sprayer. Spray the dye in a circular motion to achieve the desired look. Start by spraying into a bucket and then keep the spray going while moving the spray wand out of the bucket. Carry a small bucket with you and end the spray into the bucket or a rag to avoid leaving drips on the floor. When spraying more than one colour, apply the first colour without covering the surface completely and then apply the second colour to fill in the bare spots between the first colour. If a third color is used, it can be lightly applied to soften or blend the first and second colours together.

Step 8

Once the surface is dry and ready to be sealed. A protective seal coat of Concreation WB GreenSil WA Primer followed by Concreation WB Acrylic Sealer or Concreation WB Acrylic Sealer should be

used. Refer to Concreation WB GreenSil WA Primer and Concreation WB Acrylic Sealer or Concreation WB Acrylic Sealer for detailed application instructions. For polished surfaces follow instructions under Concreation LithiCon 15 Densifier or Concreation LithiCon 25 Densifier.